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**In addition to this alphabetical General Index there is a Classified Index starting on page 4 with headings for Audio, Circuits (Design), Communications (including Broadcasting), Construction, Electronics (Control, Medical, Navigational Radar, Radio Astronomy etc.), Exhibitions and Conferences, Industrial News, Letters to the Editor, Manufacturers' Products, Measurement, Organization and Television.**

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—— lines, ultrasonic (M.E.L. Equipment Co.) 604 Dec.
—— units, electronic time (Electrical Remote Control Co.), 315 June
Digital circuit blocks (M.E.L. Equipment Co.), 364 July
—— logic modules (Sidlen Products), 385 Aug.
Diodes, broadband coaxial (Microwave Associates), 601 Dec.
——, gallium arsenide (Micro State Electronic Corp.), 471 Sept.
——, switching (Ferranti), 97 Feb.
Dip-soldering machine (Zeva), 317 June
Distortion factor meter (Marconi Instruments), 96 Feb.
Dry-reed relay (ERG Industrial Corp.), 227 May
E.H.T. unit (Beulah Electronics), 173 Apr.
Educational circuit modules (Physical and Electronic Labs.), 384 Aug.
—— digital computer (Lan-Electronics), 98 Feb.
Electrometer, capacitor (Victoreen Instrument Co.), 603 Dec.
Electron-beam evaporation unit (G. V. Planer), 366 July
Encoder, Size 18 (Moore, Reed & Co.), 387 Aug.
Expanded rubber, adhesive backed (Expanded Rubber & Plastics), 601 Dec.
Eyelet board (R. & E. Lamb), 224 May
Filter, passive tunable (Allison Labs.), 33 Jan.
Flash tubes [for ruby lasers] (English Electric Valve Co.), 125 Mar.
Frequency divider (Advance Electronics), 97 Feb.
—— meter and generator (J.A.C. Electronics), 589 Nov.
—— response tracer [automatic] (C.R.B.), 123 Mar.
—— standard (Voumard), 473 Sept.
Frequency/Timer meter (Venner Electronics), 125 Mar.
Fuseholders, miniature (Belling and Lee), 388 Aug.; correction 475 Sept.
Gaussmeter (F. W. Bell), 224 May
Gearheads and speed-reducers (Ancillary Developments), 601 Dec.
Generator, dual pulse (A. Orba), 56 Jan.
——, low frequency (Advance Electronics), 29 Jan.

Generator, N.T.S.C. colour bar (R.C.A.), 100 Feb.
——, pulse (Texas Instruments), 588 Nov.
——, square-wave (Advance Electronics), 389 Aug.
——, very low frequency (C.R.C.), 224 May
——, wide range (E.H. Labs.), 95 Feb.
——, wide range (Paco), 368 July
Galvanometer, electronic (John Fluke), 388 July
Heat sinks for TO-5 and TO-18 cans (Jermyn Industries), 388 Aug.
——, printed circuit (Jermyn Industries), 604 Dec.
Indicators, digital (Teldix), 605 Dec.
——, digital (Hilger and Watts), 316 June
——, elapsed time and events (Bowmar Instrument), 530 Oct.
——, neon (Cerberus), 31 Jan.
——, neon (Carr Fastener), 473 Sept.
Instrument trolleys (Avon Communications & Electronics), 31 Jan. 313 June
Instrumentation tape recorder (Precision Instrument Company), 173 Apr.
Insulation meter (Comark Electronics), 124 Mar.
—— testers (Evershed & Vignoles), 173 Apr.
Klystrons, u.h.f., television (S.T.C.), 531 Oct.
——, X-band (Eimac), 386 Aug.
Knobs, instrument control (A. F. Bulgin & Co.), 587 Nov.
——, miniature collet (Plessey), 30 Jan.
Label machine, plastic, (Hellermann Equipment), 176 Apr.
Laser, gas (Raytheon), 313 June
——, solid-state (M.E.L. Equipment Co.), 386 Aug.
Leads, interconnecting audio (Tape Recorder Maintenance), 127 Mar.
Lettering, stencils and pantographs (Copiograph), 126 Mar.
Lifeboat radio, "Solas" (International Marine Radio Co.), 421 Aug.
Loudspeakers, slim (Goodmans Industries), 177 Apr.
Magnetic core stores (Mullard), 32 Jan.
—— tape copier (Ampex), 126 Mar.
Magnetizing units (Hirst Electronic), 178 Apr. and 388 July
Magnetron (M.O. Valve Co.), 366 July
Micro-circuit evaluation kit (Electrosil), 227 May
Microwave and optical windows fabricated in synthetic sapphire (Agate Products), 29 Jan.
—— klystron signal sources (Flann Microwave Instruments), 601 Dec.
Mounting pads, transistor (A.E.I.), 99 Feb.
Multimeter (Taylor Electrical Insts.) 223 May
—— (B.P.L.), 225 May
—— (Smiths), 389 Aug.
Multiplex terminal equipment (A.T. and E.), 228 May
Nuclear instrumentation (Victoreen Instrument Co.), 126 Mar.
Ohmmeter, digital deviation (Electro Instruments), 127 Mar.
Oscillator, audio high-power (General Radio Company), 387 Aug.
——, beat frequency (Radiometer), 122 Mar.
——, sweep (Telonic), 384 Aug.
——, transistor, 10kc/s to 20Mc/s (S.T.C.), 30 Jan.
Oscilloscope (Daystrom), 175 Apr.
—— (Solartron), 177 Apr.
——, calibrator (Telequipment), 587 Nov.
—— camera (Avo), 367 July
—— cameras (Fairchild-Dumont), 316 June
——, laboratory, rack-mounting (Telequipment), 529 Oct.
—— projection accessory (Philips), 228 May
——, transistorized (Tektronix), 223 May
Oven, low temperature (Griffin & George), 175 Apr.
P.T.F.E., new-grade (Crane Packing), 474 Sept.
Paper tape dispenser (Document Transports), 385 Aug.
Paint-thickness meter (Belix Co.), 365 July
Phase Meter, digital (Ad-Yu Electronics), 124 Mar.
Photoconductor cell (Sylvania), 314 June
Piezo electric carbon elements (Plessey), 389 Aug.
Plug, coaxial (A.E.I.), 34 Jan.
——, mains, "Five-in-One," (R. W. Rumble), 533 Oct.
Polyester resin "crystic" (Scott Bader & Co.), 298 June
Potentiometers, carbon-film (Ferranti), 369 July
Potentiometers, helical (Reliance Controls), 588 Nov.
Power meter (Electro Apparatus), 317 June
—— supply (Advance Electronics), 364 July
—— —— (Feedback), 314 June
—— —— (Osmabet), 384 Aug.
—— —— (Rank Cintel), 226 May
—— —— klystron, (Allied Electronics), 175 Apr.
——, stabilised (Industrial Instruments), 604 Dec.
——, stabilized (Lan Electronics), 227 May
——, stabilized (Newton Derby), 367 July
Pre-amplifier, audio (Furzehill), 33 Jan.
——, television Bands I and III, (Gordon J. King), 99 Feb.
——, television Bands IV and V (Aerialite), 226 May
——, television mast-head u.h.f., (Labgear), 177 Apr.
"Prestincert" tool kit (Belling & Lee), 124 Mar.
Printed-circuit board etchant (Lee-Smith Chemicals), 471 Sept.
—— —— —— [for *W.W.* f.m. tuner], (J. W. Wells), 472 Sept.
——, (J. M. S. Printed Circuits) 367 July
Programme-board, "Mixing," (Sealectro), 475 Sept.
Public-address, portable, equipment (Bouyer), 475 Sept.
Pulse width modulation audio amplifier, (Sinclair Radionics), 531 Oct.
Quartz automatic cutting machine (Meyer & Berger), 603 Dec.
Radar for yachts (Raytheon), 70 Feb.
——, marine "Photoplot" (Kelvin Hughes), 383 Aug.
——, marine "Raymarc" (Marconi), 372 July
Rack and panel constructional system, "Unitrame," (Lancier Electronic Development), 388 Aug.
Ranging unit [automatic] for digital voltmeters (Digital Measurements), 173 Apr.
Receiver, h.f. communications, high stability, (Marconi), 603 Dec.
——, miniature domestic (Sinclair Radionics), 98 Feb.
——, standard-frequency (Wayne Kerr-Gertsch), 31 Jan.
—— v.h.f. [aircraft band] (Telcom), 224 May
—— v.h.f., phase-comparison (Wayne Kerr-Gertsch), 33 Jan.
Recording heads (Mullard), 176 Apr.
—— tape, audio, heavy duty, (Ampex), 228 May
—— oscillograph (Honeywell Controls), 96 Feb.
Reed switch, subminiature (Hamlin), 473 Sept.
Relay, count-down (Rodene), 601 Dec.
——, dry-reed (ERG Industrial Corp.), 227 May
——, miniature (B. & R. Relays), 530 Oct.
——, voltage sensing and time delay (A.M.F. International), 530 Oct.
Resistors, high-voltage (Victoreen Instrument Co.), 471 Sept.
——, metal-film (Dubilier), 98 Feb.
——, metal oxide (Electrosil), 174 Apr.
——, miniature (Sage Electronics), 532 Oct.
——, precision (Alma Components), 100 Feb.
——, wire-wound (Electrothermal Engineering), 175 Apr.
Resistivity test set, contactless, (S.T.C.), 100 Feb.
Screened rooms, modular, (Belling & Lee), 533 Oct.
Screened-room filters (Acrovox), 316 June
Screws, recessed-head, (G.K.N. Screws & Fasteners), 99 Feb.
Selenium rectifier (S.T.C.), 365 July
Semiconductor manufacture, mask alignment unit, (Vacwell Engineering), 386 Aug.
Servo repeater, solid-state (Theta Instrument Corp.), 532 Oct.
Signal strength meter, u.h.f. (Lab-Craft), 224 May
Silicon controlled rectifiers (Motorola Semiconductors), 318 June
—— rectifier for television (Ferranti), 30 Jan.
—— rectifier, power (International Rectifier), 96 Feb.
Silicon, Silicone grease and dispenser (I.C.I.), 125 Mar.
Solderability measurer (Multicore Solders), 225 May
Soldering aid (Alpha Metals), 228 May
Soldering iron (Antex), 529 Oct.
—— iron (Bilxt), 475 Sept.
—— iron (Oryx), 177 Apr.
—— iron "Imperial" (Eldon Industries of Canada), 605 Dec.
—— machine (Zeva), 317 June
Spectrum analyser (Pentrix), 316 June
—— ——, (Panaramic), 315 June
—— ——, low-frequency wave and (Quan-Tech), 588 Nov.
Stepping motors "Cyclonome," (Ad. Auriema Inc.), 31 Jan.
Stereo cartridge (Goldring Manufacturing Co.), 99 Feb.
Styli, Decca replacement (Decca Radio & Television), 532 Oct.
Sweep generator, v.h.f. (Telonic), 31 Jan.
—— —— (Paco), 473 Sept.
Switches, push-button, illuminated, (Highland Electronics), 603 Dec.
——, miniature slide, (Highland Electronics), 589 Nov.
——, small rotary (Diamond H. Controls), 603 Dec.
——, sub-miniature (Electronic Components), 122 Mar.
——, thermal-delay (S.T.C.), 98 Feb., 176 Apr.
—— kit [oak type] (N.S.F.), 122 Mar.
—— kit (Lorlin Electronic Co.), 228 May
Synthetic sapphire components (Agate Products), 29 Jan.
Tape head cleaning brush (Tape Recorder Maintenance), 176 Apr.
—— recorder, instrumentation (Precision Instrument Co.), 173 Apr.
Tapewriter (Hellermann Equipment), 176 Apr.
Television camera, closed-circuit (Visual Engineers), 385 Aug.
—— ——, industrial (Philips), 365 July
—— monitor, colour (Standard Elektrik Lorenz), 29 Jan.
—— monitor for 405, 525 and 625 line (Rank-Bush Murphy), 33 Jan.
—— receiver, educational (Decca Radio & Television.), 224 May
—— signal pre-amplifier, Bands I and III (Gordon J. King), 99 Feb.
—— signal pre-amplifiers covering all bands (Television Installation Services), 365 July
Terminal blocks (Hellermann Terminals), 97 Feb.
Terminals, printed-circuit board (Aircraft Marine Products), 96 Feb.
——, slotted stand-off (Sealectro), 529 Oct.
Test jacks (Sealectro), 226 May
Thermal delay switch (S.T.C.), 98 Feb., 176 Apr.
Thermistors (Gulton), 472 Sept.
Thermocompression bonder (G.V. Planer), 602 Dec.
Thermocouples, mineral-insulated (Spembly Technical Products), 602 Dec.
Thermometer, electronic (Dependable Relay Co.), 388 Aug.
——, remote-reading (Telemechanics), 227 May
Throat microphone (Amplivox), 368 July
Thyristors, epitaxial (International Rectifier), 365 July
Time delay units, electronic (Electrical Remote Control), 315 June
Time/frequency meter (Venner Electronics), 125 Mar.
—— interval marker "Digitimer," (Devices), 32 Jan.
Timer, pre-set, (Ether), 122 Mar.
—— (Pioneer Designs), 223 May
Transceiver, s.s.b., 1.6 to 16 Mc/s, (Raytheon), 368 July
—— v.h.f., f.m., (Ultra Electronics), 316 June
—— v.h.f., portable, (Amplivox), 473 Sept.
Transformer, miniature (Raytheon), 472 Sept.
Transistor, M.O.S.T. (Mullard), 590 Nov.
—— and diode tester (Fairchild), 34 Jan.
—— curve tracer (A.E.S. Electronics), 30 Jan.
—— replacement kit (Newmarket Transistors), 532 Oct.
—— tester, (Vacwell Engineering), 226 May
Transistors, silicon n-p-n, high voltage, (R.C.A. Great Britain), 588 Nov.
—— power, (S.G.S. Fairchild), 123 Mar.

Transistors with a.g.c. characteristic, u.h.f. (S.G.S. Fairchild), 589 Nov.
Travelling-wave tube for television (Varian), 530 Oct.
Tunnel-diode amplifiers and oscillators (Microwave Associates), 475 Sept.
Tunnel diodes (International General Electric), 475 Sept.
Ultrasonic delay lines (M.E.L. Equipment Co.), 604 Dec.
Vacuum cleaner, miniature (Henri Picard & Frère), 123 Mar.
Valve, tetrode, power, 500 Mc/s (Raytheon), 530 Oct.
——, triode, u.h.f., planar (Eimac), 529 Oct.
——, triode, u.h.f., power (S.T.C.), 177 Apr.
——, twin pentode, (Mullard), 174 Apr.
Varactor diodes (Solitron Devices), 474 Sept.
—— —— (Varad), 389 Aug.
Variable-frequency power supply and audio oscillator, (General Radio Company), 387 Aug.
—— transformer (Cressall Manufacturing Co.), 531 Oct.
—— —— (British Electric Resistance Co.), 386 Aug.
Video tape equipment, television (R.C.A.), 315 June
Viticon tubes (English Electric Valve Co.), 387 Aug.
Voltage regulator (Newton Brothers), 313 June
—— stabilizer, BTR range (Claude Lyons), 176 Apr.
——, mains, (Servomex Controls), 95 Feb.
Voltmeter, battery powered (Philips), 95 Feb.
——, digital (Bendix Electronics), 604 Dec.
——, digital (Solartron), 317 June
——, digital, high-impedance (Digital Measurements), 604 Dec.
——, "Kilovoltmeter" Mk. II (Waveforms), 314 June
——, panel mounting, high-impedance (Millivac Instruments Inc.), 531 Oct.
——, valve (Daystrom Heathkit), 227 May
Wattmeter, 30-500 Mc/s (Bird Electronic Corp.), 34 Jan.
Wobbulator (Metrix), 90 Feb.


### MEASUREMENT


A.C. Millivoltmeter, *Wireless World*, 264 June
Acoustic Noise Measurement and Analysis, W. V. Richings, 51 Jan. (*Correction* 82 Feb.)
Bridge Source and Detector, F. Butler, 318 June
Direct-reading Capacitance Meter, D. F. Bailey, 204 Apr. (*Letter* 401 Aug.)
Graphical Aids to Noise Figure Measurement, M. D. Wood, 258 May
Infra-red Circuit Fault Detection, 590 Nov.
Intermodulation Distortion Measurement, D. E. O'N. Waddington, 271 June (*Letters* 396 Aug., 461 Sept., 525 Oct.)
Transistor Audio-frequency Phasemeter, F. Butler, 453 Sept.
—— Tester, M. F. Sizmur, 253 May (*Letters* 524 Oct.)
What do Meters Measure?, 132 Mar.


### ORGANIZATION


Amateur Licensing, Reciprocal, 394 Aug.
—— Phone Licence, 393 Aug.
—— U.H.F. Phone-only Licence, 82 Jan.
British Acoustical Society?, 181 Apr.
Electronics Industry Council Dissolved, 347 July
First Pay-Television Licence, 449 Sept.
I.T.A./B.B.C. Co-operation in Engineering and Research, 621 Dec.
Interference from Medical Apparatus, 22 Jan.
Institution of Electrical and Electronics Technician Engineers to be Formed, 393 Aug.
National Electronics Research Council, 449 Sept.
Post Office Research Station to Move, 450 Sept.
Radar Trap Detectors Illegal, 23 Jan.
Receiving Licences, 135 Mar., 300 June, 450 Sept., 622 Dec.
Society of Electronic and Radio Technicians Formed, 347 July.
Space Communications Agreement, 449 Sept.
Television Society's first Geoffrey Parr Award, 299 June
WWV Propagation Forecasts, 181 Apr.


### TELEVISION


Amateur Television DX Record, 576 Nov.
ART Colour System, 307 June
BBC-2 Fill-in Stations, 135 Mar.
Balanced Diode Video Attenuator, J. P. Bénéteau and G. M. Riva, 606 Dec.
Black Level, Television Picture, P. L. Mothersole, 212 May
Cathode Rejectors, P. Visontal, 408 Aug. (*Letters* 525 Oct.)
Colour TV Demonstrations in London, 575 Nov.
—— Test Fabrics, 133 Mar.
Constant Luminance, I. Macwhirter 544 Nov.
Delay Line, 178 Apr.
Distribution by Wire, R. I. Kinross, 495 Oct., 555 Nov.
First Television Picture Direct from Japan, 234 May
I.T.A./B.B.C. Co-operation in Engineering and Research, 621 Dec.
Light-emitting Diode, A. J. Goss and A. E. Sarson, 377 Aug. (*Letters* 460 Sept.)
Logarithmic Aerial for Bands IV and V, M. F. Radford, 424 Sept., 526 Oct.
Pay-Television Licence, First, 449 Sept.
Remote Display Unit, B. W. Hicks, 427 Sept.
"S" Correction, F. D. Bate, 219 May
Sensitive Storage Camera Tube, 296 June
Service Areas, Television, C. M. Murray, 101 Apr.
Subscription Television, 42 Jan.
——; British Telemeter Plans, 347 July
Televising the Olympic Games, 575 Nov.
Test Cards "D" and "E", 233 May
U.H.F. Loft Aerial, N. W. Brown, 10 Jan.
—— Oscillator, R. H. Bradsell and M. Grimshaw, 305 June (Transistor version, *Letter to Editor*, 400 Aug.)


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### AUTHORS


Bailey, D. F., 204 Apr. (*Biog.*, 184 Apr.)
Barlow, D.A., 160 Apr.
Bate, F. D., 219 May (*Biog.*, 236 May)
Bayliss, A. T., 303 June (*Biog.*, 302 June)
Bénéteau, J. B., with Riva, G. M., 606 Dec.
Bond, M. V., 594 Dec. (*Biog.*, 623 Dec.)
Bradsell, R. H., with Grimshaw, M., 305 June (*Biogs.*, 302 June)
Bronzite, M., 153 Mar. (*Biog.*, 137 Mar.)
Brown, N. W., 10 Jan.
Butler, F., 43 Jan., 318 June, 453 Sept.

Copsey, R. B. C., 613 Dec. (*Biog.*, 623 Dec.)

"Free Grid", 60 Jan., 108 Feb., 158 Mar., 208 Apr.

Goodison, C. E., 411 Aug. (*Biog.*, 396 Aug.)
Goss, A. J., with Sarson, A. E., 377 Aug. (*Biogs.*, 396 Aug.)
Grimshaw, M., with Bradsell, R. H., 305 June (*Biogs.*, 302 June)

Hancock, K. E., 374 Aug., 428 Sept. (*Biog.*, 452 Sept.), 507 Oct., 549 Nov., 629 Dec.
Henly, H. R., 110 Mar. (*Biog.*, 137 Mar.)
Hicks, B. W., 427 Sept.
Hobbs, G. P., 47 Jan. (*Biog.*, 25 Jan.), 433 Sept., 518 Oct., 581 Nov., 624 Dec.

Keller, P. R., 62 Feb., 118 Mar.
Key, A. J., 257 May
Kinross, R. I., 495 Oct.

Macwhirter, I., 544 Nov.
Morris, P. A. C., 87 Feb.
Mothersole, P. L., 212 May (*Biog.*, 236 May)
Murray, J. K., 179 Apr. (*Biog.*, 184 Apr.)
Murray, O. M., 191 Apr. (*Biog.*, 184 Apr.)

Pye, J. D., 339 July (*Biog.*, 350 July)

Radford, M. F., 424 Sept. (*Biog.*, 452 Sept.), 526 Oct.

Richings, W. V., 51 Jan. (*Biog.*, 25 Jan.)
Riva, G. M., with Bénéteau, J. B., 606 Dec.
Roddam, Thomas, 101 Feb., 309 June, 360 July, 390 Aug.

Sarson, A. E., with Goss, A. J., 377 Aug. (*Biogs.*, 396 Aug.)
Sizmur, M. F., 253 May

Tilsley, D. N., 229 May

Towers, T. D., 2 Jan., 74 Feb., 128 Mar., 199 Apr., 242 May, 351 July, 403 Aug., 463 Sept., 534 Oct., 589 Nov., 634 Dec.

"Vector", 447 Sept., 516 Oct.
Visontal, P., 408 Aug. (*Biog.*, 396 Aug.)

Willis, J. H., 151 Mar. (*Biog.*, 137 Mar.)
Waddington, D. E. O'N., 271 June
Wood, M. D., 258 May (*Biog.*, 236 May)